

**NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ**

CAPOOSE LAKE

OBJECT LOCATED - Zone 1.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 53°17'00"
Lat.

Long. 125°09'30"
Long.

Mining Division Omineca
Division minière

District
District

Range 4, Coast

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Granges Exploration Ltd.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The Fawnie Range in this vicinity is comprised of Late Triassic Takla Group andesitic rocks unconformably overlain by Jurassic Hazelton Group meta-greywacke, argillite, pyroclastic volcanic rocks, and flows of rhyolite and andesitic composition. The predominant structures in the area are east-west faults.

Three northerly-trending zones of precious and base metals mineralization have been identified. In Zone 1 galena, pyrite, pyrrhotite, chalcopyrite, arsenopyrite and sphalerite occur as disseminations (esp galena), as replacement of garnets (nuclei and attendant dispersion halos), and as fracture and/or vein fillings within garnetized and silicified rhyolite tuffs, breccias and flows and minor interbedded andesitic rocks in a steeply west dipping structurally controlled zone. Tetrahedrite, pyrargyrite, electrum, native gold, and cubanite have also been reported. Precious metals also occur within galena and sphalerite. Pyrite is ubiquitous and may have formed throughout the mineralizing event. One sample assayed 0.03% Mo and 0.03% W.

p.t.o.

Associated minerals or products - Gold, copper, lead, zinc.
Minéraux ou produits associés

**HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR**

The property is located at approximately 6,000' elevation in the Fawnie Range, a few kilometres north of Fawnie Nose and some 170 kilometres southwest of Prince George.

Granges Exploration Aktiebolag acquired the A to E claim groups (62 units) in 1976 and carried out magnetometer and geochemical surveys (1,950 soil samples). The H claim group (9 units), owned and explored (magnetometer and induced potential surveys) by Cities Service Minerals Corporation in 1975, was acquired by Granges and the property expanded to include the A to N groups (about 145 units). Work during 1977 included induced potential and geochemical surveys (1,300 soil samples), and trenching on the D and E groups.

A joint venture agreement was reached in 1978 as to Granges (75%) and Bethlehem Copper Corporation (25%). Work during the period 1978-1980 inclusive included further geochemical surveys, a pulse electromagnetic survey over 25 km on the D, E, and F groups, and diamond and percussion drilling totalling 8,822 metres in 119 holes, in part on the D and E groups. This work outlined, in Zones 1 and 3, several million tons grading 1.08 oz/t Ag and 0.01 oz/t Au (Bethlehem Copper Corp., 1980 Annual Report). Further work in 1981 resulted in a revision to 28,300,000 tonnes grading 36 grams Ag per tonne. (Granges 1981 Ann. Rept. p. 29).

Work was suspended in 1981 due to the drop in silver prices. Bethlehem Copper Corporation amalgamated with Cominco Ltd on December 31, 1982 under the name Cominco Ltd.

Granges participation was through the Scandinavian Minerals Syndicate, a joint venture with Outokumpu Oy, a Finnish state-owned mining company. In 1983 all of the shares of Granges were purchased by Pecos Resources Ltd. Work in 1984 included fill in drilling totalling 654.8 m in 6 holes in zones 1 and 2. Drill indicated reserves were reported as 31,000,000 tons at 1.1 oz/t Ag, 0.015 oz/t Au (Granges 1984 AR).

In March 1985 Granges and Pecos were amalgamated under the name Granges Exploration Ltd. Early in 1986 Granges purchased the interest held by Outokumpu, leaving the property owned by Granges (75%) and Cominco (25%).

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DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

Zone 2, located immediately to the west of Zone 1, is similar with possibly a little more arsenopyrite. Zone 3, located to the north of Zone 1, is also similar to Zone 1 with more 'massive' to vein-type textures.

REFERENCES/BIBLIOGRAPHIE

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1976, pp. 141, 142; 1977, p. E 185; 1978, p. E 198.

Geological Fieldwork, British Columbia Dept. of Mines: 1979, p. 123 (Paper 1980-1); 1980, p. 121; 1981, p. 109.

[†]Schroeter, Tom; Selected Precious Metals Deposits in Northern British Columbia; Western Miner, June 1981, p. 29.

Mineral Policy Sector; Corporation Files: "Bethlehem Copper Corporation"; "Granges Exploration Aktiebolag"; "Granges Exploration Ltd".

Exploration in British Columbia; British Columbia Dept. of Mines: 1979, p. 214; 1980, p. 321; 1984, p. 307.

Exploration Review, BCDM: 1984, p. 15.

Geology in British Columbia; BCDM: 1977-81, p. 110.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1131 A, Nechako River, (Geol.), Sc. 1":4 miles - accomp. Memoir 325, Geol. Surv. of Canada, 1963.

#Sketch Map of the Capoose property, Sc. 1 cm:0.5 k, Fig. 39, Geological Fieldwork, 1980, p. 120.

Map 5288 G, Nataalkuz Lake, (Aeromag.), Sc. 1":1 mile.

*Map 93 F/6, Nataalkuz Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	JL	DMacR	DMacR			
Date Date	12-81	09-82	06-83	08-86			